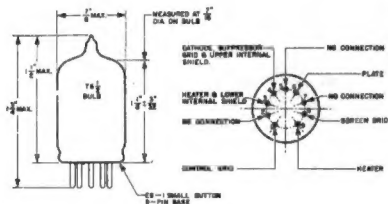


WESTERN ELECTRIC 404A ELECTRON TUBE

404A
MINIATURE
PENTODE
DESCRIPTION

This tube is a miniature pentode of the unipotential cathode type. It is designed for use in high-gain amplifiers at high and ultra-high frequencies.

MAXIMUM RATINGS (Design Center Values)

Plate Voltage	180	volts
Screen-Grid Voltage	150	volts
Plate Dissipation	3	watts
Screen-Grid Dissipation	0.75	watt
Cathode Current	35	milliamperes
Heater-Cathode Voltage	50	volts
Grid Resistance	0.1	megohm
Bulb Temperature	120°	Centigrade

GENERAL CHARACTERISTICSELECTRICAL DATA

Heater Voltage, A-C or D-C		8.3	volts
Heater Current		300	milliamperes
Direct Interelectrode Capacitances			
	Without External Shield	With External Shield (RMA #315)	
Grid to Plate, Maximum	0.5	0.4	µuf
Input	7.0	7.1	µuf
Output	2.5	2.9	µuf

MECHANICAL DATA

Cathode	Coated Unipotential
Bulb	T 8-1/2
Base	Small Button, 8-pin
Mounting Position	Any

OPERATING CONDITIONS AND CHARACTERISTICS

Plate Supply Voltage	150	180	volts
Screen-Grid Supply Voltage	150	150	volts
Control Grid Voltage	0	+6.5	volts
Plate Current	13	13	milliamperes
Screen-Grid Current	4.5	4.5	milliamperes
Cathode Resistor	110	600	ohms
Transconductance	12500	12500	micromhos

*Operating conditions to minimize gain variations due to supply voltage fluctuations.

(CHARACTERISTICS CURVES ON REVERSE SIDE)

Western Electric

